

## Data Analyst

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Experienced Data Engineer with years of proven experiences in optimizing computing performance and running data pipelines on the AWS cloud. Proficient in developing ETL processes, databases, data models, security protocols, and CloudFormation templates for all AWS environments. Proven track record of reducing operating costs, increasing storage capabilities, decreasing latency time and error rates, and improving system performance.

## Work Experience

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### Raywings Tech Ltd, Noida

#### Associate Data Analyst

7/2022 - Present

- Developed an automated AWS pipeline solution that processed over 10TB of data per month while reducing operating costs by 30%.
- Implemented a Amazon Aurora Database and DynamoDB to securely store business insights and operations data increasing storage capability by 50% while reducing latency time by 250%.
- Optimized the performance of AWS-hosted applications with CloudWatch monitoring resulting in a 10% decrease in error rates.
- Performed Data Migration between multiple environments using mongodump and mongo restore commands
- Worked on MongoDB database concepts such as locking, transactions, indexes, sharding, replication and schema design
- Implementation of support of ETL process using SSIS packages in SQL server 2008
- Environment: Scala 2.12.3, Spark Streaming, Apache Hadoop 2.7.2, HDFS, YARN, slf4j 1.7.7, Kafka 0.11.0.1, json4s 3.2.11, joda Time 2.3, VirtualBox, Vagrant, Cassandra 3.11

### Allen house institute of Technology College

#### Data Science Trainer

11/2021 - 7/2022

- Tailor training programs to meet the specific needs and skill levels of participants, ranging from beginners to advanced data scientists.
- Collaborate with subject matter experts to stay updated on the latest industry trends and best practices.
- Mentored junior data scientists and interns, helping them develop their technical skills and problem-solving abilities.
- Provided software training sessions via traditional classroom setting, desk side and virtually.

### Coding Ninja's

#### Data Structure Trainer - TA

2/2021 - 11/2021

- Trained query languages like SQL and RDBMS using Oracle 10g. O Instructed web - building technologies like HTML, CSS and JavaScript for beginners
- Worked as a technical assistant to guide the students over the problems facing in data structures and algorithms.
- Taught technical languages like C, C++, and Python.

## Technical Skills

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- **Machine Learning:** Pytorch, Tensorflow, Keras, Huggingface, FAISS, ONNX, MLFlow, Sci-kit learn, Numpy, Pandas
- **Databases:** MySQL, NoSQL, PostgreSQL, MongoDB

- **DevOps:** Bitbucket, Github, Docker, GCP, AWS EC2/S3
- **Databases Tools:** MongoVue, MongoDB Compass, NoSQL Manager and Mongo Booster, SQL
- **Reporting:** Tableau, PowerBi and Locker
- **Backend / Frontend frameworks:** Flask, gRPC, FastAPI, Redis, Celery/Dramatiq, HTML, CSS, Javascript
- **Data Visualization:** Google Data Studio, Tableau, Microstrategy
- **Programming Languages:** C++, Python

## Projects

### ETL Pipeline for Sales Analytics

- Created data extraction scripts using APIs and web scraping techniques to collect data from various e-commerce platforms.
- Generated custom reports and dashboards using Power BI for sales trend analysis and performance tracking.
- Created an Amazon Redshift cluster and optimized the schema for efficient querying.
- Technologies Used: Python, Apache Airflow, Azure SQL Database, Power BI

### Social Media Sentiment Analysis

- Utilized Python libraries for data collection from Twitter and Reddit APIs, extracting relevant posts and comments.
- Preprocessed text data by removing stop words, stemming, and tokenizing.
- Trained a machine learning model using a sentiment analysis dataset to classify text as positive, negative, or neutral.
- Deployed the model to classify sentiment in real-time social media data and generate sentiment scores.
- Technologies Used: Python, Natural Language Processing (NLP), Machine Learning, Matplotlib

### Cryptocurrency Wallet

[Patent/ Research Paper/ License](#)

- Demonstrating expertise in software and hardware integration to safeguard private keys and ensure seamless transaction execution.
- Designed and developed software wallets for desktop and mobile platforms, enhancing accessibility while maintaining security protocols.
- Collaborated with cross-functional teams to integrate hardware wallet support, allowing users to store cryptocurrencies offline for added security.
- Conducted thorough security audits and vulnerability assessments to identify and address potential risks in wallet implementations.
- Collaborated with hardware engineering teams to integrate hardware wallet functionality, enabling offline storage of private keys for heightened security against online threats.

## Certifications

Google Data Analytics Professional, Associate Certified Analytics Professional (aCAP), Azure Microsoft Azure (IAAS/ PAAS) (Az-49, Az-40) NPTEL(Developing Soft Skills)

## Education

KANPUR, UP	AKTU	
Bachelors(B.Tech) in Information Tchnology		2019-2023
SONIPAT, HR	D.A.V SCHOOL	
10th Standard		2015 - 2016
12th Standard - PCM		2017 - 2018

## Awards and Honors

Best Department Project, AXIS Innovation Showcase | 1 st Prize, Technical Quiz Competition 1 st Prize, Best Alarm Watch Design | 2nd Prize, JIGYASA Technical Paper Presentation